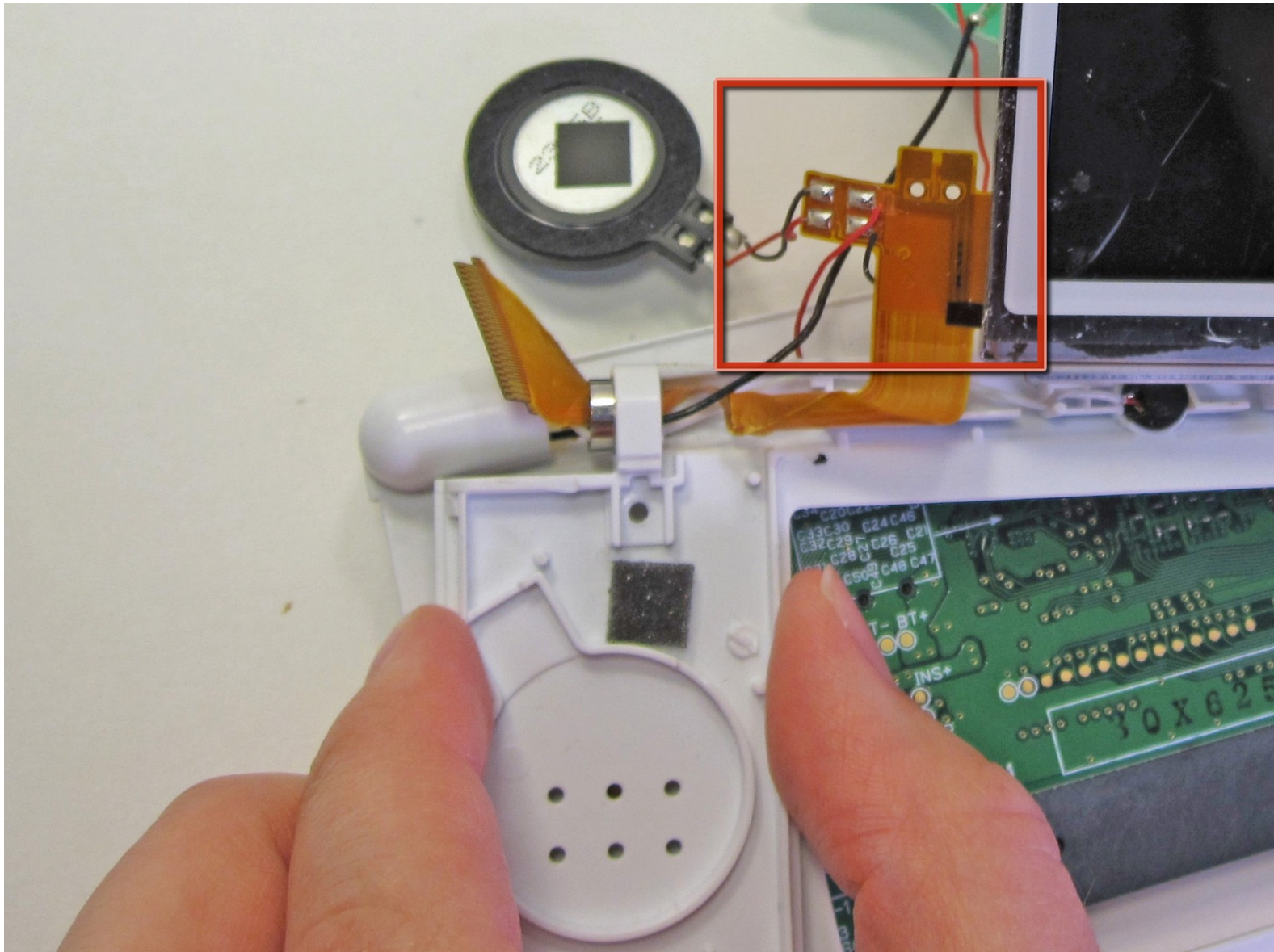




Nintendo DS Lite Speaker Replacement

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INTRODUCTION

This guide has been updated by iFixit staff! Read the new, official guide [here](#).

Replacing the Nintendo DS Lite Speakers



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Push Pin](#) (1)
- [Tweezers](#) (1)



PARTS:

- [New DS Lite Speakers](#) (1)
 - [New DS Lite Top screen](#) (1)
-

Step 1 — Battery



- Place your device upside down and locate the battery compartment.
- Loosen the captive Phillips head screw on the battery cover. Do not remove it all the way, just enough to open the cover.

Step 2



- Remove the battery cover.

Step 3



- For some devices, you may be able to remove the battery by flipping it over and letting the battery fall into your hand.
- If that does not work, use a plastic opening tool to pry the battery out of the case.

Step 4 — Bottom Case



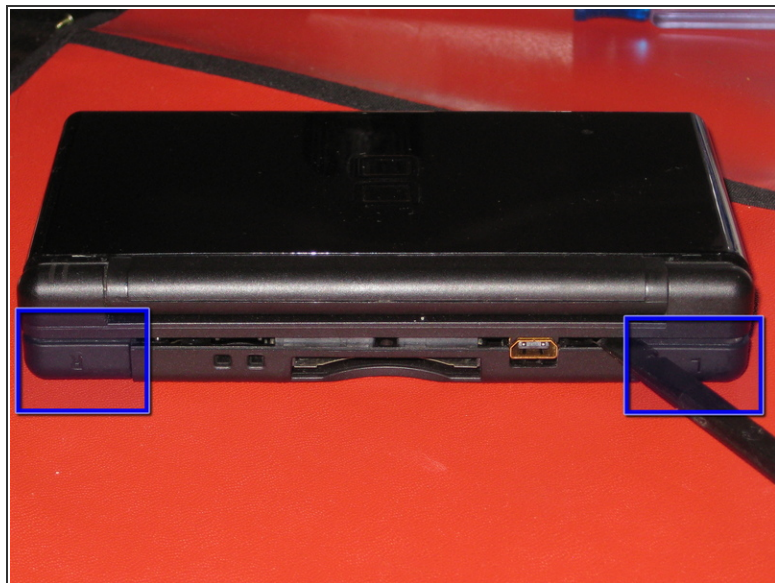
- Remove the following 7 screws securing the lower case to the DS Lite:
 - 3 silver tri-wing screws (5mm long)
 - 1 black tri-wing screw (4mm)
 - 2 gold Phillips screws (4mm)
 - 1 silver Phillips screw (3mm)
- Do not remove the silver PH screw (3mm) in the battery compartment yet. It holds the main PCB in place.

Step 5



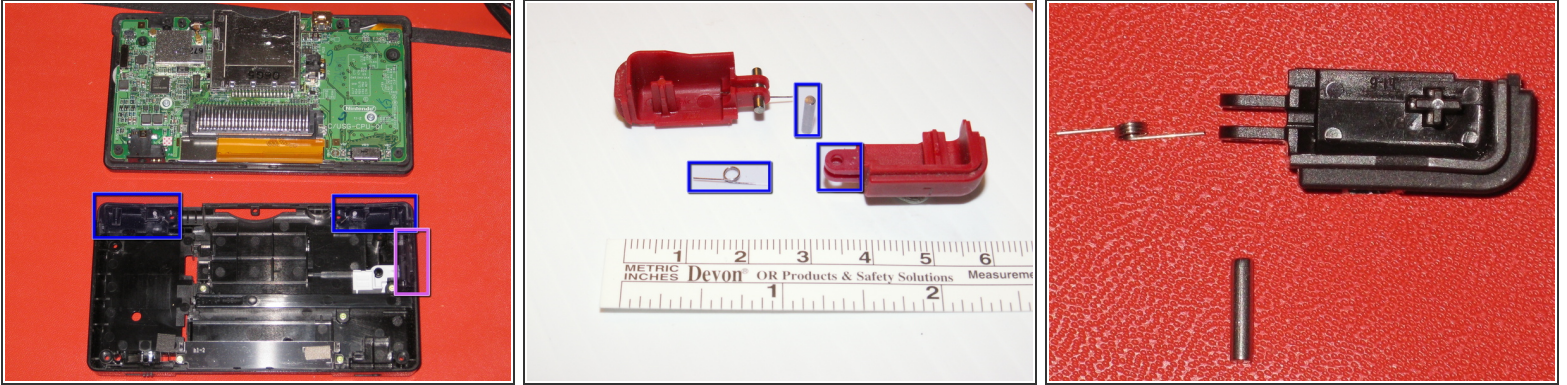
- Remove the plastic insert (or cartridge) from the lower slot (Slot 2).

Step 6



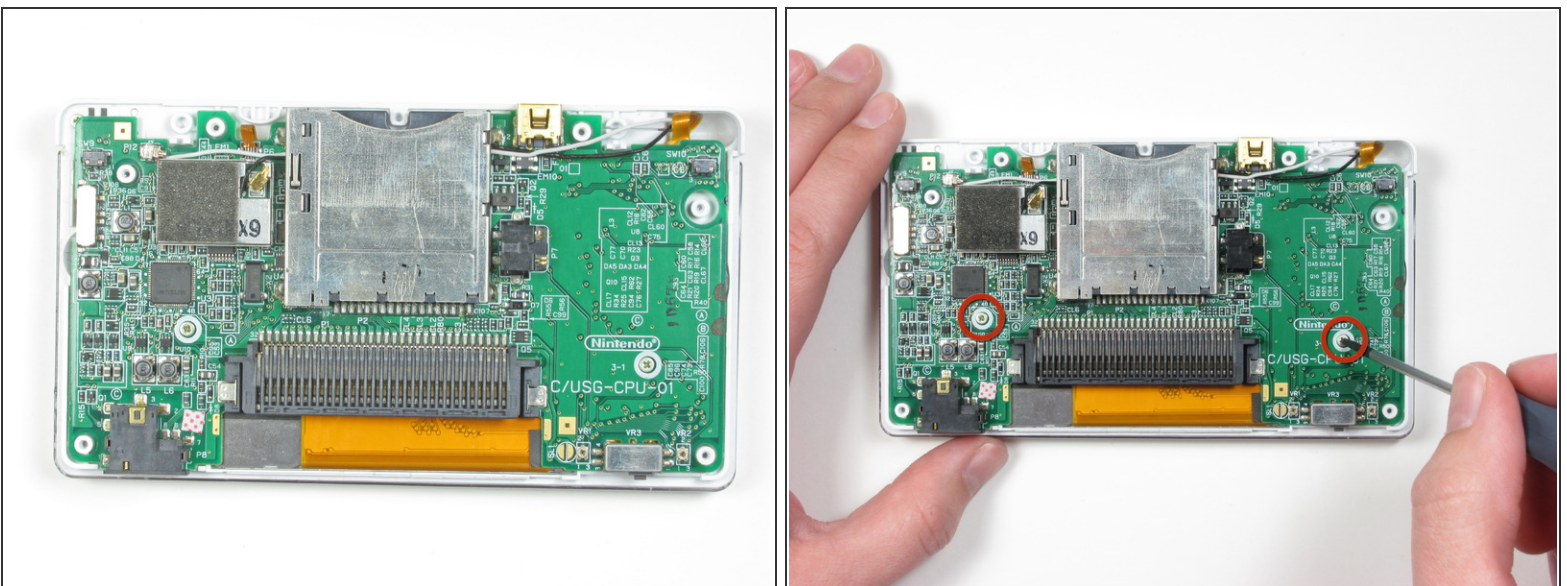
- Flip the unit over.
- Use a spudger to pry open the gap between the bottom case and the front panel. Work all the way around the case until the panel is free.
- Avoid touching the L and R shoulder buttons, because they pop off easily and are difficult to reassemble. Keeping the bottom case against your workbench will help hold them in place.

Step 7



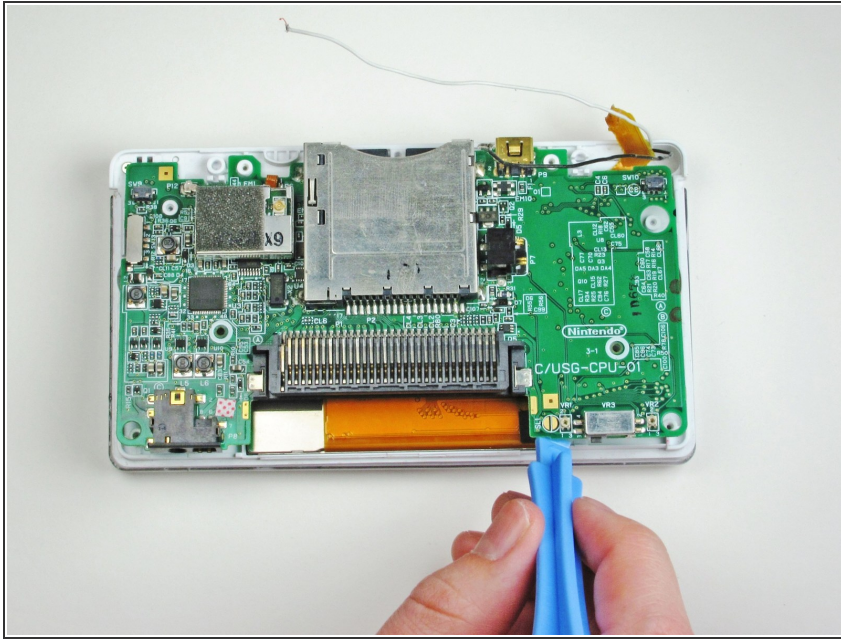
- Carefully separate the two pieces by hand.
- The two shoulder buttons are made up of three pieces -- the plastic button, a pin, and a spring. If they accidentally pop out while you are working, study the picture and make sure you put the spring in the correct position.
- When reassembling the cover, make sure that the power switch cover on the bottom case is in the off (down) position. Otherwise, the power switch cover can break the very fragile power switch upon reassembly.

Step 8 — Motherboard



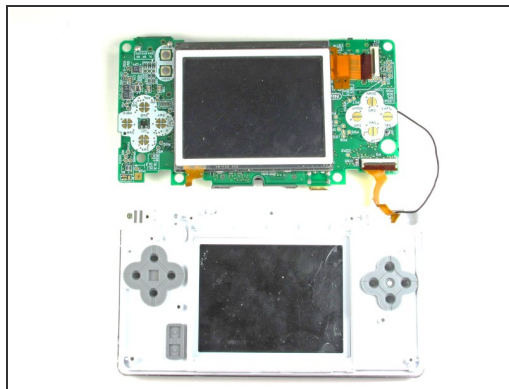
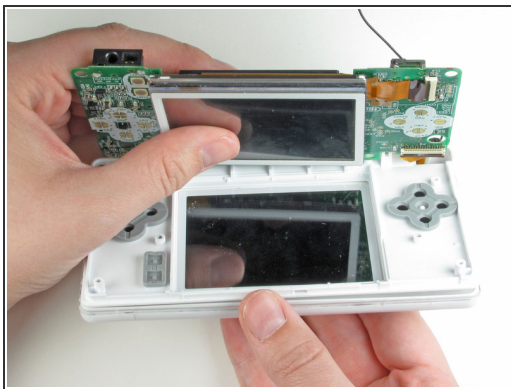
- Locate the two screws that attach the logic board to the device.
- Unscrew the two Phillips head screws.

Step 9



- With a plastic opening tool, gently separate the logic board from the device base.
- ⚠ The ribbon cable and two wires are still connected to the logic board.
- ⓘ The buttons may fall out, but can easily be put back in place.

Step 10



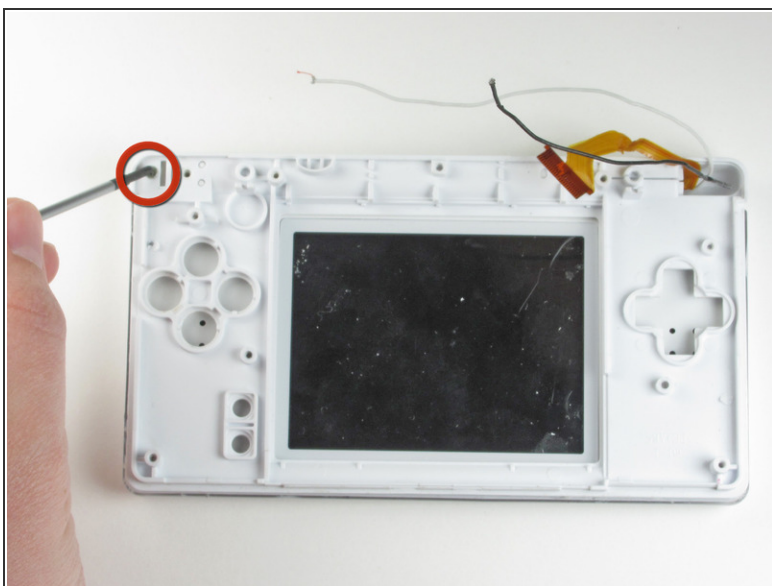
- Flip the logic board over so that the touch screen is facing up.
- Using metal tweezers, carefully disconnect the other ribbon cable that connects the touch screen with the logic board.

Step 11



- Using one finger nail or the plastic opening tool, carefully lift the brown securing flap of the connector. Then disconnect the ribbon cable that connects the logic board to the upper screen.

Step 12 — Top Screen



- Remove the two Phillips-head screws that hold the hinge in place.
- Carefully separate the two pieces.

Step 13



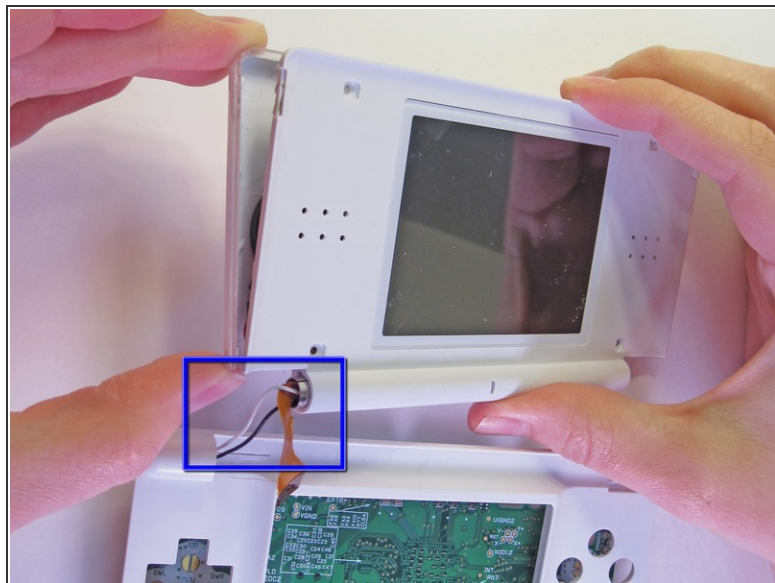
- After separating the two components, carefully unhinge them by moving the bottom piece to the left and the top piece to the right.

Step 14



- Turn the device upside down.
- Remove the four rubber pads that are located by the top screen using a push pin.
- After removing the LED hinge, remove the round hinge shaft.

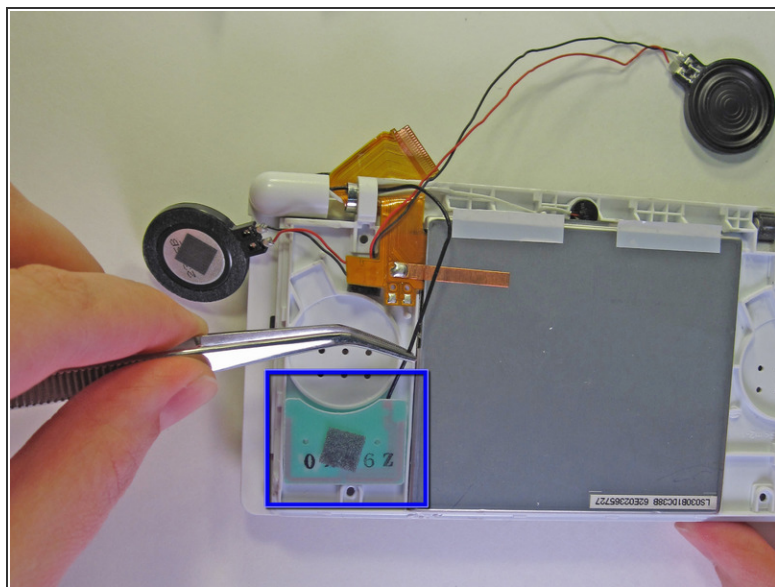
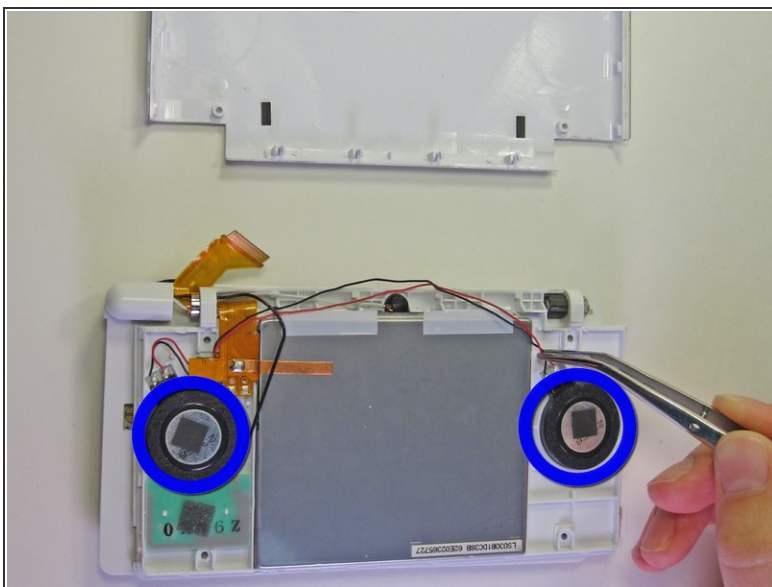
Step 15



- Unscrew the four Phillips-head screws and remove the top panel.

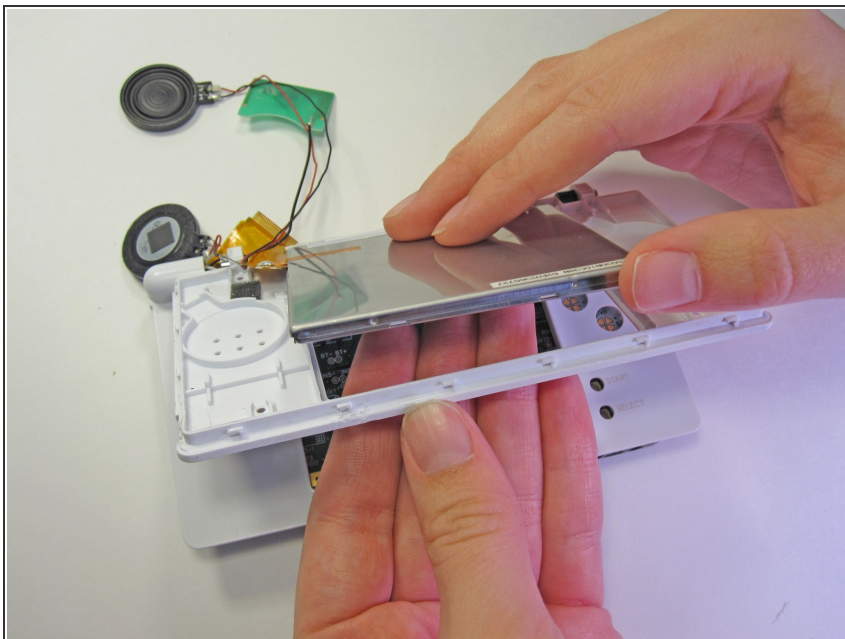
⚠ Be careful not to damage the wires and the ribbon cable.

Step 16



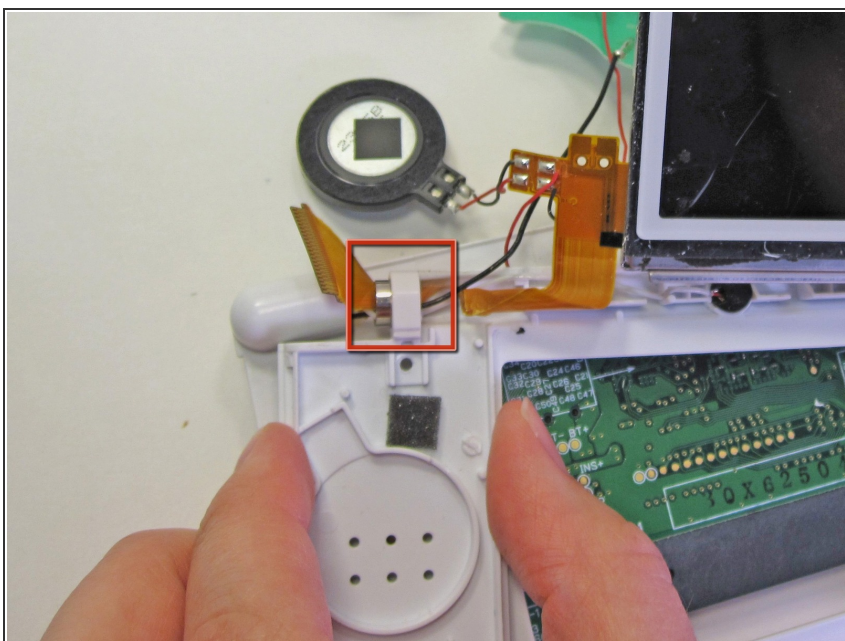
- Carefully remove the two speakers and the green wireless card from the panel.

Step 17



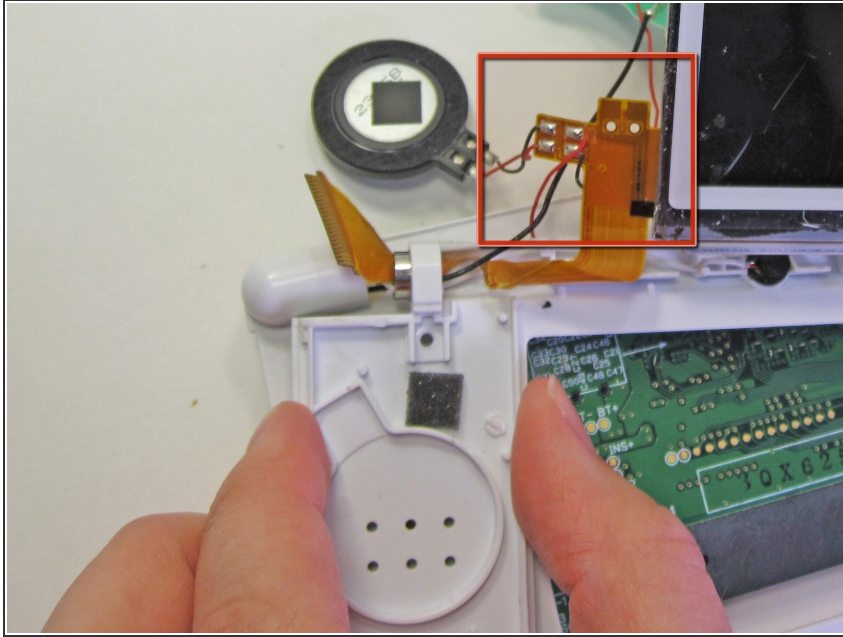
- Remove the top screen from the panel by pushing up on the screen from underneath.

Step 18



- Carefully slide the ribbon cable through the opening.
- ⚠ Be careful not to damage the ribbon cable.

Step 19 — Speakers



- The speakers are soldered to the top screen flex assembly. You may desolder a broken speaker and solder a working speaker on, or you may replace the speakers together with the display assembly.

To reassemble your device, follow these instructions in reverse order.

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